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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/625,801

Filing Date

July 23, 2003

First Named Inventor

Anthony C. Zuppero et al.

Art Unit

1753

Examiner Name

Alan D. Diamond

Attorney Docket Number

22122878-70

**ENCLOSURES (Check all that apply)**☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Information Disclosure Statement

☐

Certified Copy of Priority Document(s)

☐Reply to Missing Parts/  
Incomplete Application☐Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐Petition to Convert to a  
Provisional Application☐

Power of Attorney, Revocation

☐

Terminal Disclaimer

☐

Request for Refund

☐

CD, Number of CD(s) \_\_\_\_\_

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Landscape Table on CD

☐

After Allowance Communication to TC

☐Appeal Communication to Board  
of Appeals and Interferences☐Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☐Other Enclosure(s) (please identify  
below):**Remarks**

This correspondence is being submitted via First Class Mail to the U.S. Patent and Trademark Office on February 10, 2006.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Baker &amp; McKenzie LLP

Signature

Printed name

Eunhee Park

Date

February 10, 2006

Reg. No.

42,976

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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February 10, 2006

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22122878-70

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Anthony C. Zuppero et al.  
Application No.: 10/625,801  
U.S. Filing Date: July 23, 2003  
Title: GAS-SPECIE ELECTRON-JUMP CHEMICAL ENERGY  
CONVERTER  
Group Art Unit: 1753  
Examiner: Alan D. Diamond

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**


Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for the Applicant hereby bring the following materials to the examination of the above-identified application to the attention of the Examiner. The materials are listed on the attached PTO Forms PTO/SB/08A and PTO/SB/08B. It is respectfully requested that the information be expressly

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**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being submitted via First Class Mail to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Group Art Unit 1753 on February 10, 2006.

  
Eunhee Park (Reg. No. 42,976)

considered during the prosecution of this application, and that the materials be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information disclosure statement is being filed under 37 C.F.R. §1.97(e)(1), wherein each reference was first cited in a supplemental European Search Report (Search completed November 22, 2005) not more than three months prior to the filing of this informational disclosure statement.

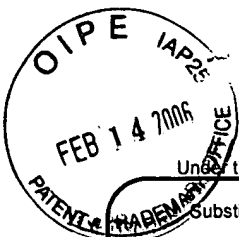
While no fee is believed due, if any fee is deemed due, the Commissioner for Patents is hereby authorized to charge Deposit Account No. 02-0393 of Baker & McKenzie LLP.

Dated: February 10, 2006

Respectfully submitted,



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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

|                        |                           |
|------------------------|---------------------------|
| Application Number     | 10/625,801                |
| Filing Date            | July 23, 2003             |
| First Named Inventor   | Anthony C. Zuppero et al. |
| Art Unit               | 1753                      |
| Examiner Name          | Alan D. Diamond           |
| Attorney Docket Number | 22122878-70               |

Sheet

of

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US- 5,362,975                            | 11-1994                        | von Windheim et al.                                |   |
|                       |                          | US- 5,780,727                            | 07-1998                        | Gimzewski et al.                                   |   |
|                       |                          | US- 5,124,610                            | 06-1992                        | Conley et al.                                      |   |
|                       |                          | US- 3,483,040                            | 12-1969                        | Parkins  |   |
|                       |                          | US- 3,916,338                            | 10-1975                        | Jensen et al.                                      |   |
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|                       |                          | US- 5,404,712                            | 04-1995                        | Feu et al.   |   |
|                       |                          | US- 6,916,451                            | 07-2005                        | Zuppero et al.                                     |   |
|                       |                          | US- 6,944,202                            | 09-2005                        | Zuppero et al.                                     |   |
|                       |                          | US- 2005/0189011                         | 09-2005                        | Zuppero et al.                                     |   |
|                       |                          | US-                                      |                                |  |   |
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**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          | EP 0713089  | 05-1996                           | Biosensor Laboratories                             |   |                |
|                       |                          | DE 37 43 399 A1   | 07-1989                           | Siemens AG   |   |                |
|                       |                          | JP 2-264101   | 10-1990                           | Fukushima  |   |                |
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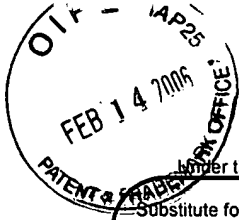
Examiner  
SignatureDate  
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| First Named Inventor   | Anthony C. Zuppero et al. |
| Art Unit               | 1753                      |
| Examiner Name          | Alan D. Diamond           |
| Attorney Docket Number | 22122878-70               |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|--------------------------|---|----------------|
|                       |                          | Prieur et al., "Sound Amplification by Stimulated Emission of Radiation in an Amorphous Compound," Europhysics letters, 24 (5) (1993), pp. 409-414.   |                |
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|                       |                          | Tobias et al., "Fast chemical Sensing with Metal-insulator Silicon Carbide Structures," June 1997, pp. 287-289.   |                |
|                       |                          | Lloyd Spetz et al., "High Temperature Sensors Based on Metal-Insulator-Silicon Carbide Devices," January 1997, pp. 493-511.   |                |
|                       |                          | Benson, "Sodium chemiluminescence in the Na+N2O and Na-catalyzed N2O+CO Reactions," September 1976, pp. 3879-3885.  |                |
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|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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